

Patent Abstracts of Japan

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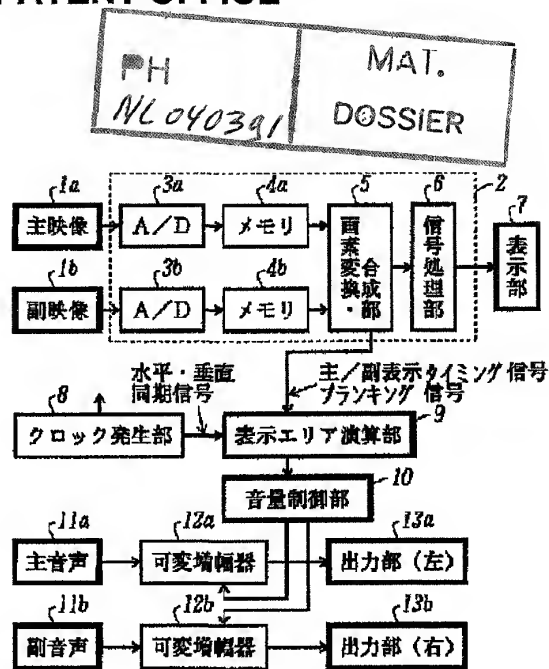
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TITLE : AUDIO CIRCUIT FOR SCREEN
DIVISION DISPLAY DEVICE



ABSTRACT : PURPOSE: To vary each sound volume depending on a display area ratio of the image in the display device in which one screen is divided and two images are displayed simultaneously and an audio signal of each image is outputted from a separate speaker.

CONSTITUTION: A main video signal 1a and a sub video signal 1b are synthesized into one image by a video image digital processing section 2, a signal processing section 6 processes the image and it is displayed on a display section 7. A display area arithmetic section 9 calculates a ratio of display areas of the main image and the sub image based on a main/sub image display timing signal and a blanking signal from a picture element conversion synthesis section 5 and an amplification factor of variable amplifiers 12a, 12b is controlled via a sound volume control section 10 to vary the amplification factor of the main audio signal 11a and a sub audio signal 11b and the sound volume of an output section (left) 13a (sound volume of main audio signal) and the sound volume of an output section (right) 13b (sound volume of sub audio signal) are matched with an area ratio of the main and sub images.

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*predetermined by ratio of area
user does not have
option of balancing different
level proportions with interface*